

## DECLARATION AND POWER OF ATTORNEY FOR U. S. PATENT APPLICATION

(X) Original ( ) Supplemental ( ) Substitute ( ) PCT ( ) Design

As a below named inventor, I hereby declare that: my residence, post office address and citizenship are as stated below next to my name; that I verily believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Title: COATING, MODIFICATION AND ETCHING OF SUBSTRATE SURFACE WITH PARTICLE BEAM IRRADIATION OF THE SAME

of which is described and claimed in:

- ( ) the attached specification, or  
 (X) the specification in the application Serial No. \_\_\_\_\_ filed May 30, 2001;  
 and with amendments through \_\_\_\_\_ (if applicable), or  
 ( ) the specification in International Application No. PCT/\_\_\_\_\_, filed \_\_\_\_\_, and as amended  
 on \_\_\_\_\_ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment(s) referred to above.

I acknowledge my duty to disclose to the Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

I hereby claim priority benefits under Title 35, United States Code, §119 (and §172 if this application is for a Design) of any application(s) for patent or inventor's certificate listed below and have also identified below any application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:


| COUNTRY | APPLICATION NO. | DATE OF FILING   | PRIORITY CLAIMED |
|---------|-----------------|------------------|------------------|
| Japan   | 137765/2000     | May 10, 2000     | No               |
| Japan   | 160076/2000     | May 30, 2000     | Yes              |
| Japan   | 254790/2000     | August 25, 2000  | Yes              |
| Japan   | 259459/2000     | August 29, 2000  | Yes              |
| Japan   | 370601/2000     | December 5, 2000 | Yes              |
|         |                 |                  |                  |

I hereby claim the benefit under Title 35, United States Code §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code §112, I acknowledge the duty to disclose information material to patentability as defined in Title 37, Code of Federal Regulations, §1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

| APPLICATION SERIAL NO. | U.S. FILING DATE | STATUS: PATENTED, PENDING, ABANDONED |
|------------------------|------------------|--------------------------------------|
|                        |                  |                                      |
|                        |                  |                                      |
|                        |                  |                                      |

And I hereby appoint Michael R. Davis, Reg. No. 25,134; Matthew M. Jacob, Reg. No. 25,154; Warren M. Cheek, Jr., Reg. No. 33,367; Nils Pedersen, Reg. No. 33,145; Charles R. Watts, Reg. No. 33,142; and Michael S. Huppert, Reg. No. 40,268, who together constitute the firm of WENDEROTH, LIND & PONACK, L.L.P., as well as any other attorneys and agents associated with Customer No. 000513, to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected therewith.

I hereby authorize the U.S. attorneys and agents named herein to accept and follow instructions from YUASA AND HARA as to any action to be taken in the U.S. Patent and Trademark Office regarding this application without direct communication between the U.S. attorneys and myself. In the event of a change in the persons from whom instructions may be taken, the U.S. attorneys named herein will be so notified by me.

|                                                                                                                                                                            |                                                                                                                                                                                       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Direct Correspondence to Customer No:<br><br><br><b>000513</b><br>PATENT TRADEMARK OFFICE | Direct Telephone Calls to:<br><br>WENDEROTH, LIND & PONACK, L.L.P.<br>2033 "K" Street, N. W., Suite 800<br>Washington, D.C. 20006<br><br>Phone: (202) 721-8200<br>Fax: (202) 721-8250 |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                              |                                                                                                              |                                    |                                        |
|------------------------------|--------------------------------------------------------------------------------------------------------------|------------------------------------|----------------------------------------|
| Full Name of First Inventor  | FAMILY NAME<br><b>OGURE</b>                                                                                  | FIRST GIVEN NAME<br><b>Naoaki</b>  | SECOND GIVEN NAME                      |
| Residence & Citizenship      | CITY<br><b>Tokyo</b>                                                                                         | STATE OR COUNTRY<br><b>Japan</b>   | COUNTRY OF CITIZENSHIP<br><b>Japan</b> |
| Post Office Address          | ADDRESS CITY STATE OR COUNTRY ZIP CODE<br><b>5-32-2, Chuo, Nakano-ku, Tokyo, Japan</b>                       |                                    |                                        |
| Full Name of Second Inventor | FAMILY NAME<br><b>HORIE</b>                                                                                  | FIRST GIVEN NAME<br><b>Kuniaki</b> | SECOND GIVEN NAME                      |
| Residence & Citizenship      | CITY<br><b>Kanagawa</b>                                                                                      | STATE OR COUNTRY<br><b>Japan</b>   | COUNTRY OF CITIZENSHIP<br><b>Japan</b> |
| Post Office Address          | ADDRESS CITY STATE OR COUNTRY ZIP CODE<br><b>2-13-5, Rinkan, Yamato-shi, Kanagawa-ken, Japan</b>             |                                    |                                        |
| Full Name of Third Inventor  | FAMILY NAME<br><b>ARAKI</b>                                                                                  | FIRST GIVEN NAME<br><b>Yuji</b>    | SECOND GIVEN NAME                      |
| Residence & Citizenship      | CITY<br><b>Kanagawa</b>                                                                                      | STATE OR COUNTRY<br><b>Japan</b>   | COUNTRY OF CITIZENSHIP<br><b>Japan</b> |
| Post Office Address          | ADDRESS CITY STATE OR COUNTRY ZIP CODE<br><b>1-9-2, Inari, Fujisawa-shi, Kanagawa-ken, Japan</b>             |                                    |                                        |
| Full Name of Fourth Inventor | FAMILY NAME<br><b>NAGASAKA</b>                                                                               | FIRST GIVEN NAME<br><b>Hiroshi</b> | SECOND GIVEN NAME                      |
| Residence & Citizenship      | CITY<br><b>Kanagawa</b>                                                                                      | STATE OR COUNTRY<br><b>Japan</b>   | COUNTRY OF CITIZENSHIP<br><b>Japan</b> |
| Post Office Address          | ADDRESS CITY STATE OR COUNTRY ZIP CODE<br><b>3-2, Shiomidai, Isogo-ku, Yokohama-shi, Kanagawa-ken, Japan</b> |                                    |                                        |

|                             |                                                           |                            |                                 |
|-----------------------------|-----------------------------------------------------------|----------------------------|---------------------------------|
| Full Name of Fifth Inventor | FAMILY NAME<br>KAKUTANI                                   | FIRST GIVEN NAME<br>Momoko | SECOND GIVEN NAME               |
| Residence & Citizenship     | CITY<br>Tokyo                                             | STATE OR COUNTRY<br>Japan  | COUNTRY OF CITIZENSHIP<br>Japan |
| Post Office Address         | ADDRESS<br>9-18-22-201, Kitami, Setagaya-ku, Tokyo, Japan | CITY                       | STATE OR COUNTRY ZIP CODE       |

|                             |                                                                           |                           |                                 |
|-----------------------------|---------------------------------------------------------------------------|---------------------------|---------------------------------|
| Full Name of Sixth Inventor | FAMILY NAME<br>SATAKE                                                     | FIRST GIVEN NAME<br>Tohru | SECOND GIVEN NAME               |
| Residence & Citizenship     | CITY<br>Kanagawa                                                          | STATE OR COUNTRY<br>Japan | COUNTRY OF CITIZENSHIP<br>Japan |
| Post Office Address         | ADDRESS<br>2-14-47, Higashikaigankita, Chigasaki-shi, Kanagawa-ken, Japan | CITY                      | STATE OR COUNTRY ZIP CODE       |

|                               |             |                  |                           |
|-------------------------------|-------------|------------------|---------------------------|
| Full Name of Seventh Inventor | FAMILY NAME | FIRST GIVEN NAME | SECOND GIVEN NAME         |
| Residence & Citizenship       | CITY        | STATE OR COUNTRY | COUNTRY OF CITIZENSHIP    |
| Post Office Address           | ADDRESS     | CITY             | STATE OR COUNTRY ZIP CODE |

I further declare that all statements made herein of my own knowledge are true, and that all statements on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

1st Inventor Naoaki Ogure Naoaki OGURE Date June 18, 2001

2nd Inventor Kuniaki Horie Kuniaki HORIE Date June 18, 2001

3rd Inventor Yuji Araki Yuji ARAKI Date June 18, 2001

4th Inventor Hiroshi Nagasaka Hiroshi NAGASAKA Date June 18, 2001

5th Inventor Momoko Kakutani Momoko KAKUTANI Date June 18, 2001

6th Inventor Tohru Satake Tohru SATAKE Date June 18, 2001

7th Inventor \_\_\_\_\_ Date \_\_\_\_\_

The above application may be more particularly identified as follows:

U.S. Application Serial No. \_\_\_\_\_ Filing Date \_\_\_\_\_

Applicant Reference Number \_\_\_\_\_ Atty Docket No. \_\_\_\_\_

Title of Invention \_\_\_\_\_